¡Modificaciónes reservadas! Reproducción - también en parte solamente permitida con indicación de las fuentes utilizadas.

Modification reserved! Reproduction - also by extract only ruckt in Deutschland

Jonek

Jonek

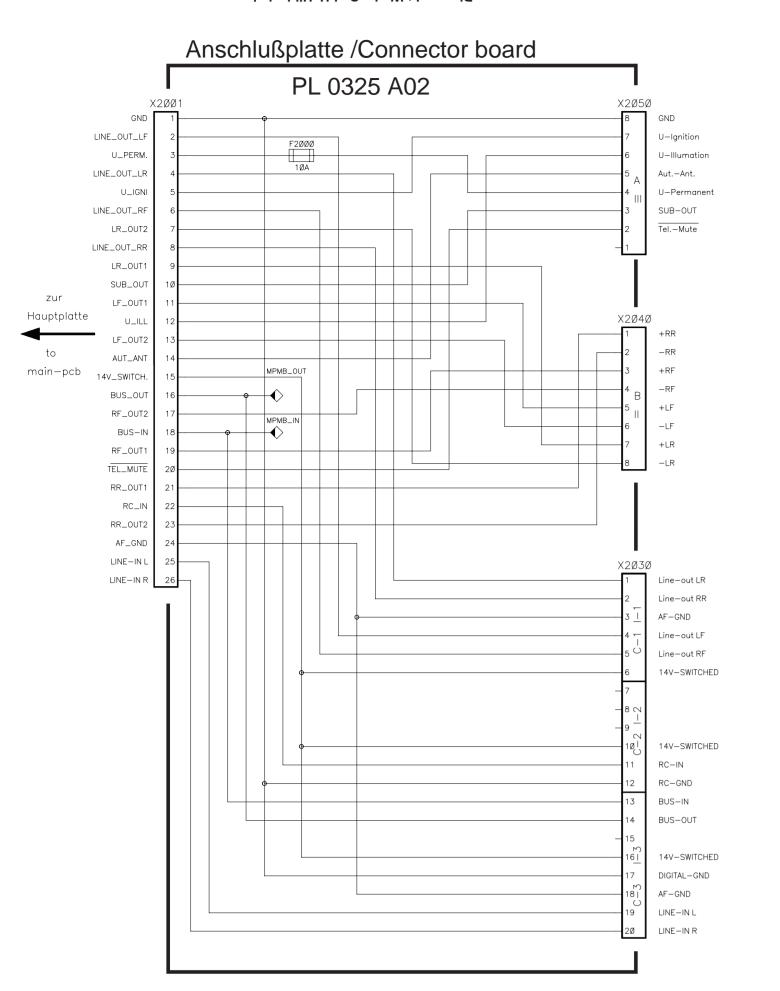
Jodificaciones reservadas! Reproducción - también en pa in Deutschweig

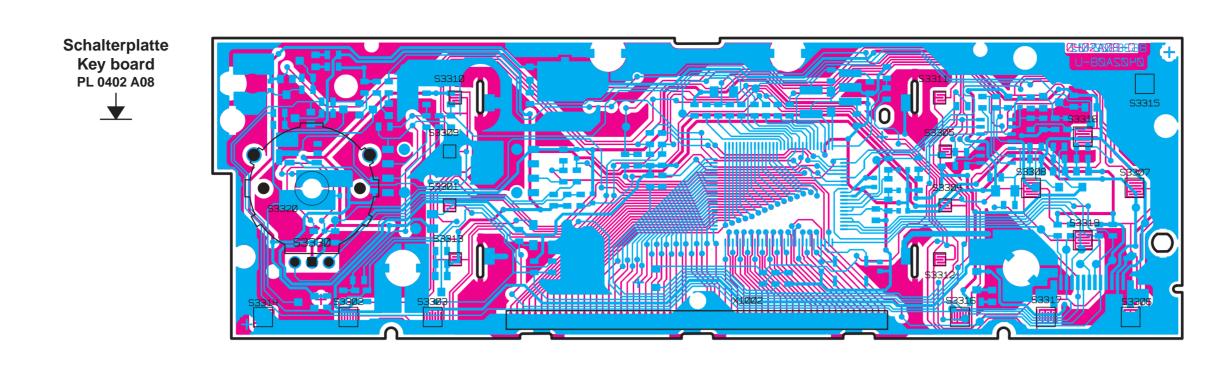
Modificaciones reservadas! Reproducción - también en pa

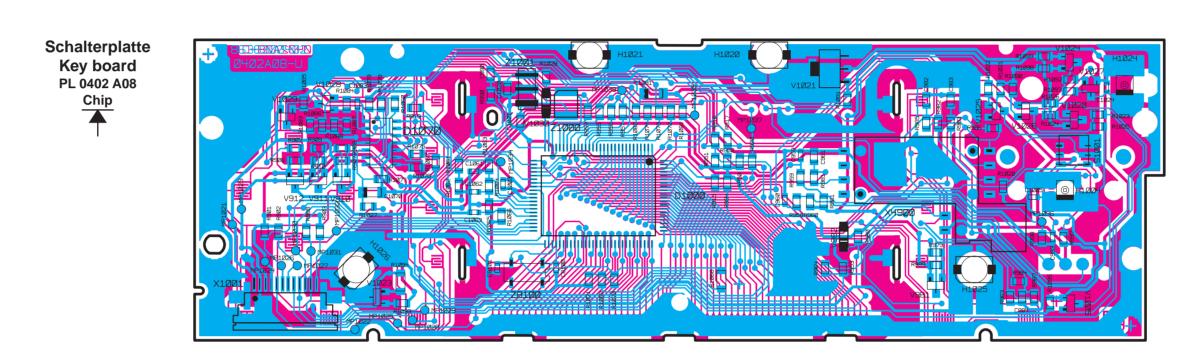
Änderungen vorbehalten! Machdruck - auch auszugsweise
nur mit Quellenangabe gestattet.

Modification réservées! Reproduction - aussi en 38100 Braunschweig abrégépermise seulement avec indication des sources utilisées.

Blaupunkt-Werke GmbH, Hildesheim



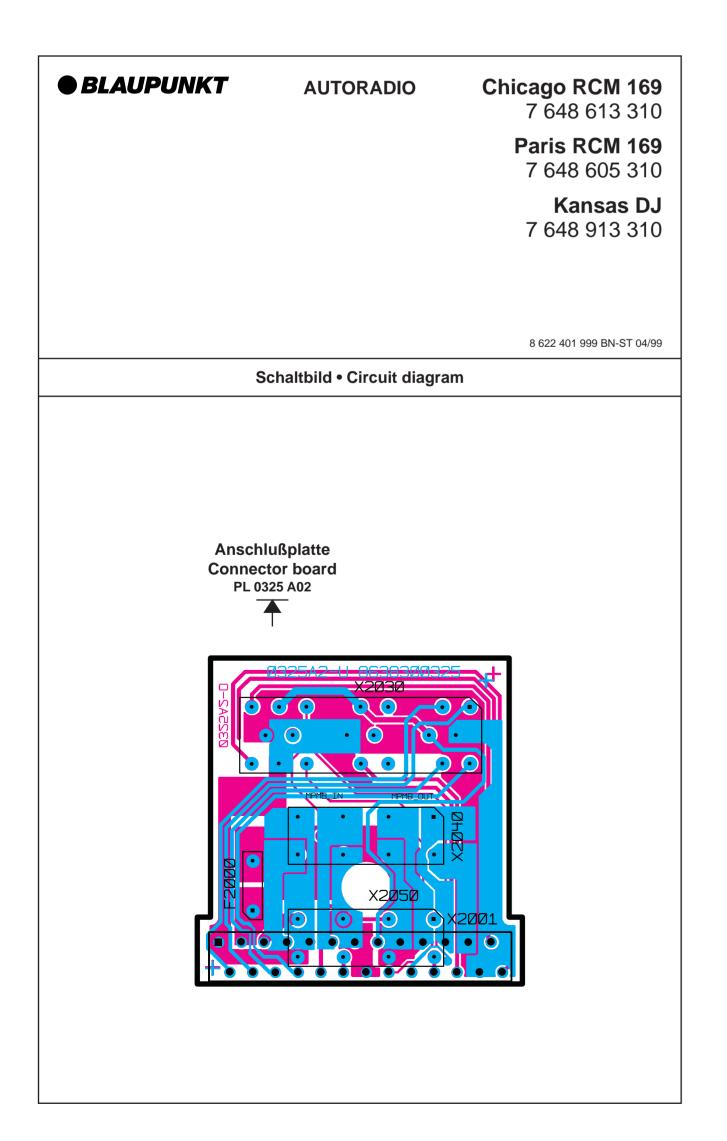


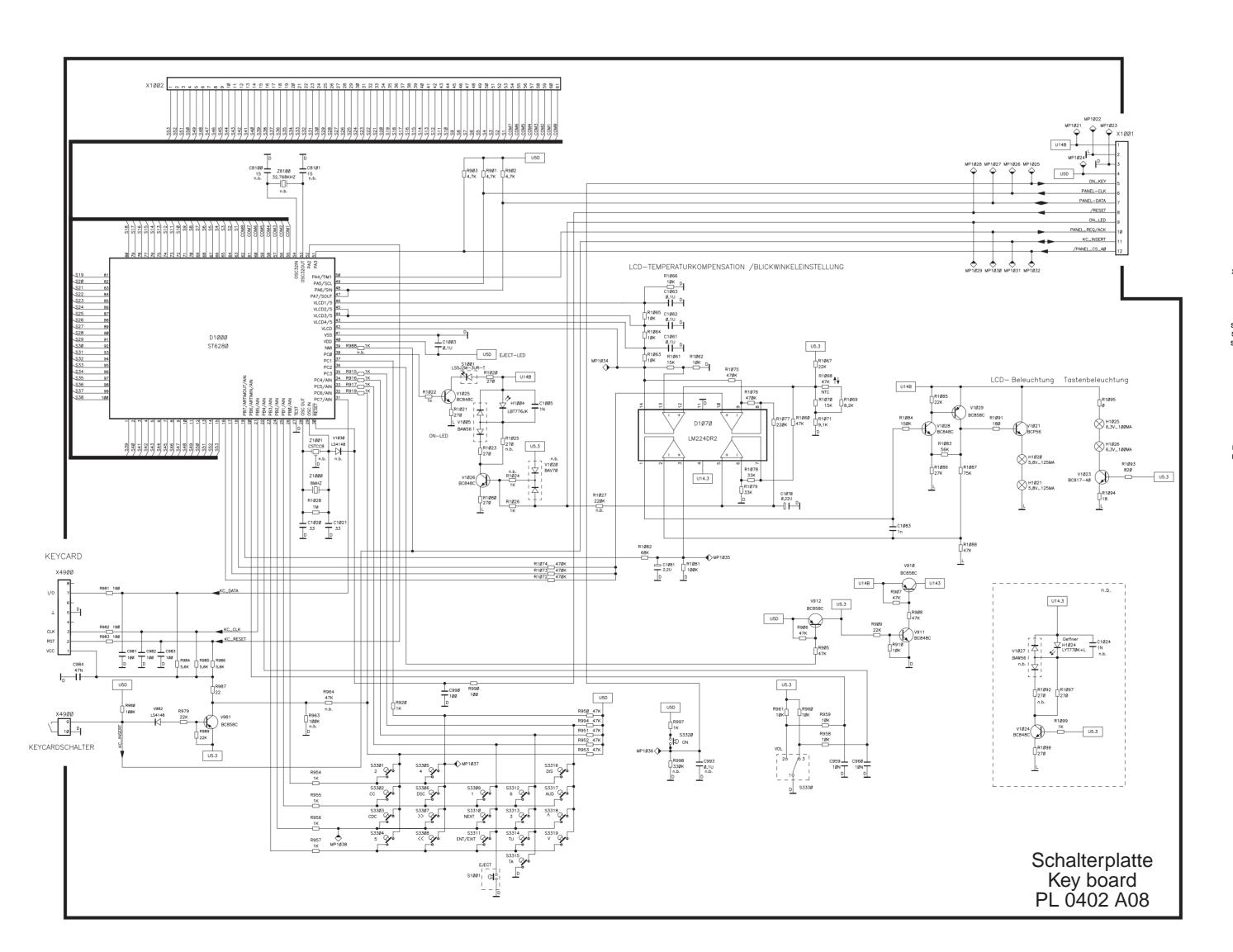


| Pin No. | I/O | Name | Funktion | Function | |
|---------|-----|----------|-----------------------------------|----------------------------|--|
| 1 | - | MIXDEC | Mischer Entkopplung | Mixer decoupling | |
| 2 | - | CINT | für PLL | for PLL | |
| 3 | - | CHOLD | für PLL | for PLL | |
| 4 | - | PLLGND | PLL - Masse | PLL Ground | |
| 5 | - | VCC | 8,5V | 8,5V | |
| 6 | - | VPLL | PLL Oberspannung | PLL top voltage | |
| 7 | I | LFINP | Schleifenfiltereingang | PLL loop filter Input | |
| 8 | 0 | LF1 | Schleifenfilter 1 | PLL loop filter Output 1 | |
| 9 | 0 | LF2 | Schleifenfilter 2 | PLL loop filter Output 2 | |
| 10 | 0 | LF3 | Schleifenfilter 3 | PLL loop filter Output 3 | |
| 11 | 1 | VTUNE | Abstimmspannung | Tuning voltage | |
| 12 | I | OSCINP | Oszillator Eingang | Oscillator Input | |
| 13 | 0 | OSCOUT | Oszillator Ausgang | Oscillator Output | |
| 14 | - | OSCGND | Oszillator Masse | Oscillator Ground | |
| 15 | 0 | VCC | 8,5V | 8,5V | |
| 16 | 0 | OSCBUF | Oszillatorausgangstreiber | Oscillator Buffer Output | |
| 17 | I | DGND | Digitale Masse | Digital Ground | |
| 18 | I | CS | Chip Select | Chip Select | |
| 19 | I | RD | Dateneingang | DATA IN | |
| 20 | I | CLK | Clock | Clock | |
| 21 | 0 | TX | Datenausgang | DATA OUT | |
| 22 | I | FREF | Referenzfrequenz | Reference frequency | |
| 23 | - | IFAGC2 | ZF Regelspannung 2 | IF AGC 2 | |
| 24 | 0 | IFOUT1 | ZF - Ausgang 1 | IF output 1 | |
| 25 | 0 | IFOUT2 | ZF - Ausgang 2 | IF output 2 | |
| 26 | - | IFAGC1 | ZF Regelspannung 1 | IF AGC 1 | |
| 27 | - | IFGND | ZF Masse | IF Ground | |
| 28 | I | IFIN | ZF Eingang | IF Input | |
| 29 | - | VDC | Interne Referenzspannung | Internal reference voltage | |
| 30 | - | VCC | 8,5V | 8,5V | |
| 31 | 0 | MIXOUT2 | Mischerausgang 2 | Mixer Output 2 | |
| 32 | 0 | MIXOUT1 | Mischerausgang 1 | Mixer Output 1 | |
| 33 | - | AMREF | AM - Referenzeingang | AM reference Input | |
| 34 | I | AMMIXIN | AM Mischereingang | AM Mixer Input | |
| 35 | - | RFAGC3 | HF Regelzeitkonstante (aufregeln) | RF AGC 3 | |
| 36 | 0 | RFAGCAM | HF Steuerspannung Vorstufe AM | RF AGC for AM input stage | |
| 37 | 0 | RFAGCFM | HF Steuerspannung Vorstufe FM | RF AGC for FM input stage | |
| 38 | - | MIXGND | Mischer Masse | Mixer Ground | |
| 39 | - | RFAGC2 | HF Regelzeitkonstante (Detektor) | RF AGC 2 | |
| 40 | - | RFAGC1 | HF Regelzeitkonstante (abregeln) | RF AGC 1 | |
| 41 | - | ANGGND | Analog Masse | Analog ground | |
| 42 | - | FMMIXREF | Referenzspannung FM Mischer | Reference voltage FM mixer | |
| 43 | ı | FMMIXINP | FM Mischer Eingang | FM mixer input | |
| 44 | _ | RFAGCD | AGC Entkopplung | AGC decoupling | |

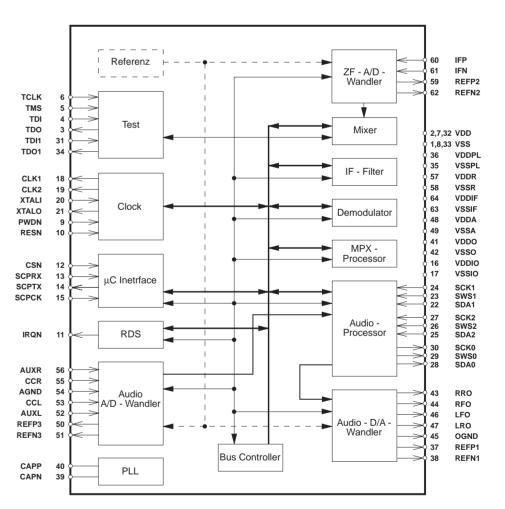
Pin-Belegung des FM/AM Tuner-IC D1

| Prüfdiagnose Tuner IC (D1) Diagnosis test tuner IC (D1) | | | | | | | |
|---|------|----------|------------|----------|------------------------|------------------------|--|
| Pin | Band | Frequenz | E' | Uss | Vermerke | Notice | |
| 24+25 (ZF-OUT) | FM | 97,1 MHz | 83 dbμV | 650 mVss | jeweils gegen Masse | respective against GND | |
| 28 | FM | 97,1 MHz | 80 dbμV | 25 mVss | | | |
| 31+32 | FM | 97,1 MHz | 80 dbμV | 200 mVss | jeweils gegen Masse | respective against GND | |
| 31+32 | AM | 900 kHz | 80 dbμV | 200 mVss | jeweils gegen Masse | respective against GND | |
| 34 (AM-IN) | AM | 900 kHz | 80 dbμV | 50 mVss | | | |
| 36 | AM | 900 kHz | ab 73 dbμV | | künstliche Antenne aus | not commutated | |
| 37 | FM | 97,1 MHz | ab 80 dbμV | | | | |

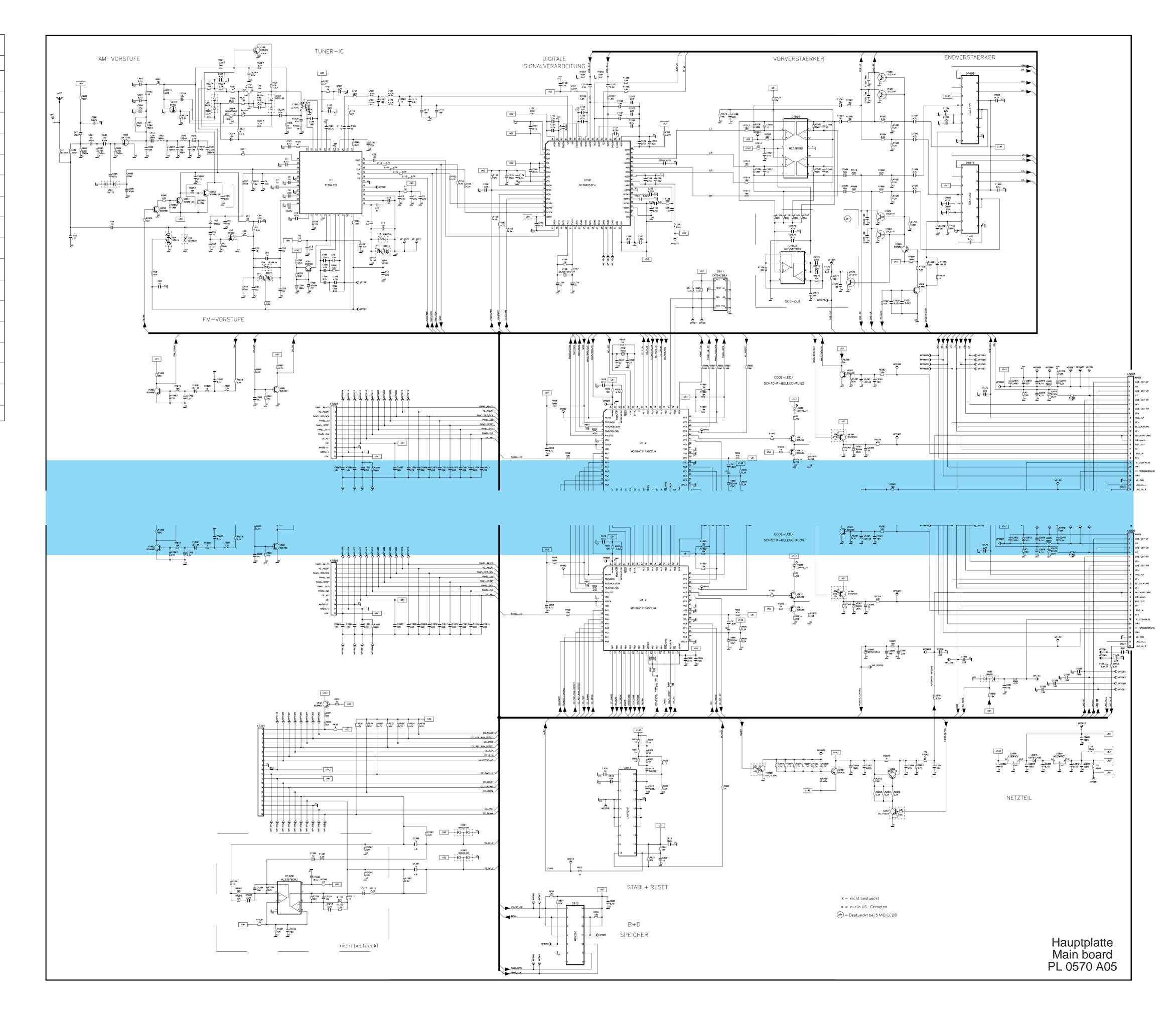


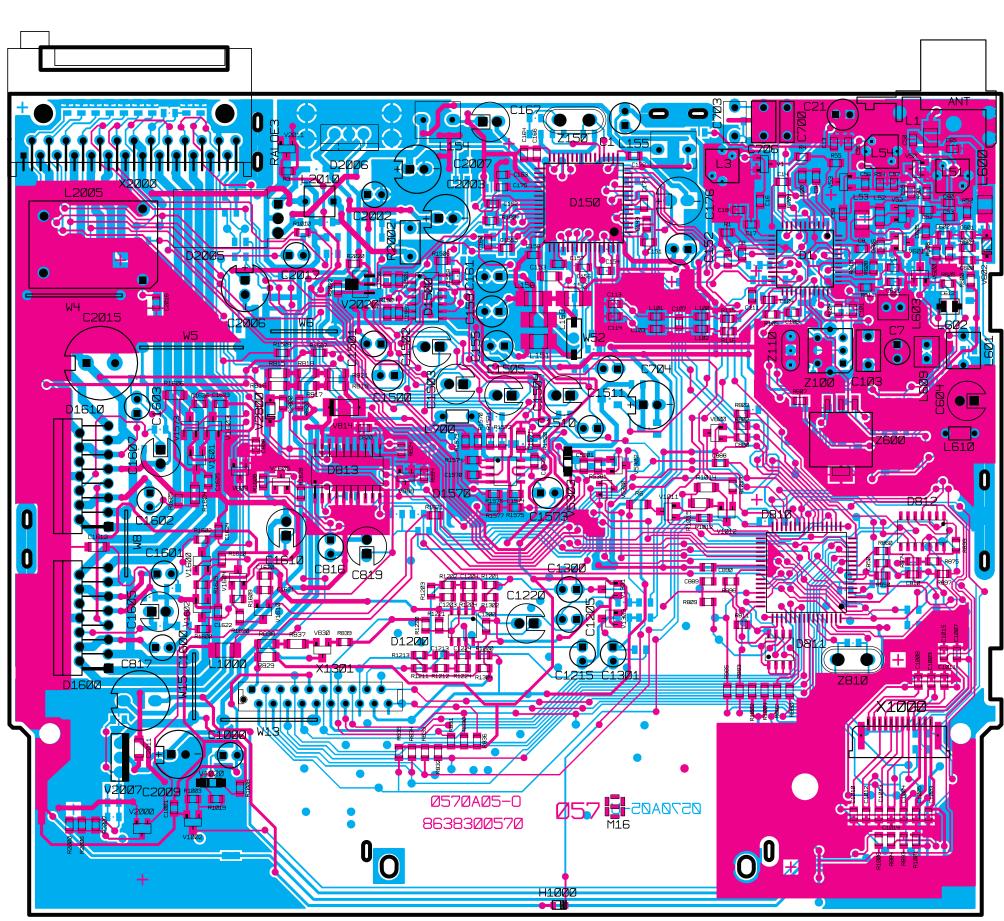


Digital-Signal IC D150 SC390253FU



| Pin-Belegung des IC D150 Digital IC D150 Pin Configuration | | | | | | | |
|--|--------|------------------|---|---|--|--|--|
| Pin No. I/O | | Name | Funktion | Function | | | |
| 1 | - | VSS | Masse | Ground | | | |
| 2 | - | VDD | 5 V | 5 V | | | |
| 4 | ı | TDI | Testdateneingang | Test Data Input | | | |
| 5 6 | l I | TMS TCKL | Test Mode Test Clock | Testmode | | | |
| 7 | - | VDD | 5 V | Testclock 5 V | | | |
| 8 | | VSS | Masse | Ground | | | |
| 9 | - | PWDN | Power down Zustand | Power down Mode | | | |
| 10 | I | RESN | Reset | Hardware reset (active LOW) | | | |
| 11 | 0 | IRQN | RDS Alarm/SLS | RDS alarm/search stop | | | |
| 12 | 1 | CSN | Chip select Eingang | Chip select μC interface | | | |
| 13 | ı | SCPRX | Serielle Daten μC Interface | Serial data μC interface IN | | | |
| 14 | 0 | SCPCK | Serielle Daten µC Interface | Serial data μC interface OUT | | | |
| 15 16 | - - | SCPCK VDDIO | Clock µC Interface Plusspannung Digitale Ein-/Ausgänge | Clock μC interface Voltage for digital I/O | | | |
| 17 | | VSSIO | | | | | |
| 18 | 0 | CKL1 | Masse Digitale Ein-/Ausgänge Programmierbarer Clock 1 | Ground for digital I/O Programmable clock 1 | | | |
| 20 | 1 | XTALI | 28,5 MHz Oszillator | Oscillator 28,5 MHz | | | |
| 21 | 0 | XTALO | 28,5 MHz Oszillator | Oscillator 28,5 MHz | | | |
| 31 | 1 | TDI1 | Testdateneingang 1 | Test Input 1 | | | |
| 32 | - | VDD | 5 V | 5 V | | | |
| 33 | - | VSS | Masse | Ground | | | |
| 35 36 | - | VSSPLL VDDPLL | Masse (Minus) PLL Plus PLL 5V | Ground (minus) PLL PLL 5V (pos.) | | | |
| | | | | | | | |
| 37 38 | 0 | REFP1 REFN1 | Audio D/A-Wandler Positive Referenz Audio D/A-Wandler Negative Referenz | Audio D/A converter (pos. reference) Audio D/A converter (neg. reference) | | | |
| 39 | - | CAPN | PLL Kapazität (negativ) | PLL capacity (neg.) | | | |
| 40 | - | CAPP | PLL Kapazität (positiv) | PLL capacity (pos.) | | | |
| 41 | - | VDDO | Audio D/A - Wandler 5V | Audio D/A converter (+5V) | | | |
| 42 | - | VSSO | Audio D/A - Wandler Masse | Audio D/A converter (ground) | | | |
| 44 | 0 | RFO | Audio Rechts (analog) | Analogic audio right | | | |
| 45 46 | - | OGND LFO | Masse Analogausgänge Audio Links (analog) | Ground Analogic audio left | | | |
| | • | | | | | | |
| 48 49 | - | VDDA VSSA | 5V A/D - Wandler Masse A/D - Wandler | 5V A/D - converter Ground A/D - converter | | | |
| 50 | 0 | REFP3 | Audio D/A-Wandler Positive Referenz | Audio D/A converter (pos. reference) | | | |
| 51 | 0 | REFN3 | Audio D/A-WandlerNegative Referenz | Audio D/A converter (neg. reference) | | | |
| 52 | 1 | AUXL | Externer Eingang links | Auxillary left | | | |
| 53 | I | CCL | Cassette Eingang links | Cassette input left | | | |
| 54 | - | AGND | Audioeingänge Masse | Ground for Audio inputs | | | |
| 55 56 | l I | CCR AUXR | Cassette Eingang rechts Externer Eingang rechts | Cassette input right Auxillary left right | | | |
| | ' | | | | | | |
| 57 58 | - | VDDR VSSR | 5 V Masse | 5 V Ground | | | |
| 59 | 0 | REFP2 | Audio D/A-Wandler Positive Referenz | Audio D/A converter (pos. reference) | | | |
| 60 | ı | IFP | ZF Eingang (plus) | Positif IF input | | | |
| 61 | i | IFN | ZF Eingang (minus) | IF input (neg.) | | | |
| 62 | 0 | REFN2 | Audio D/A-Wandler Negative Referenz | Audio D/A converter (neg. reference) | | | |
| 63 | - | VSSIF | ZF A/D - Wandler (minus) | IF A/D converter (-) | | | |
| 64 | - | VDDIF | ZF A/D - Wandler 5 V | IF A/D converter (+5V) | | | |





Hauptplatte
Main board
PL 0570 A05
Chip

